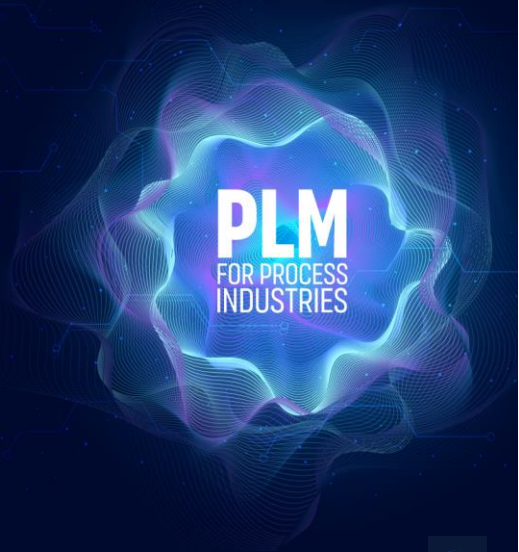




An Introduction to the Selerant Intern Program

Preparing tomorrow's tech leaders today



PRESENTED BY
JACOPO COLOMBO & PIETRO VERCESI, SELERANT SRL
DECEMBER 2021



Agenda

1. Introduction to Selerant

- Who we are
- What we do
- Who we work with

2. Selerant Intern Program

- Overview
- Opportunities

3. Questions



Presenters



Jacopo Colombo
Co-founder, President & CTO



Pietro Vercesi
Global HR Director



INTERN PROGRAM INTRODUCTION **3**

ABOUT SELERANT

Selerant is the world-leader in Product Lifecycle Management and compliance solutions for process industries.

TRUSTED BUSINESS PARTNER

Over 600 customers worldwide including many global category leaders.

UNRIVALLED DOMAIN EXPERIENCE

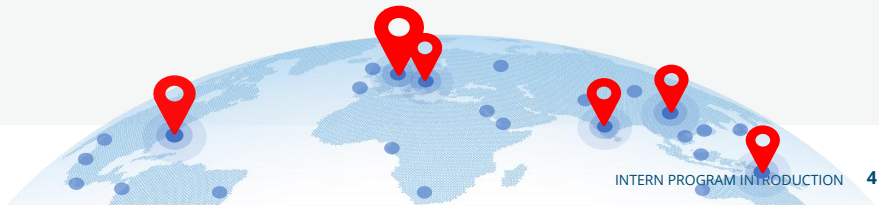
Selerant brings 30 years of industry insight, innovation and business transformation experience.

GLOBAL REACH, LOCAL TOUCH

11 offices with 300+ global employees, a world-class team and a partner network spanning 50 countries. Over 30 nationalities

INNOVATION CULTURE

Innovation is in our DNA. From pioneering PLM for process industries to breakthrough sustainability food waste measurement technology.



INTERN PROGRAM INTRODUCTION **4**

OUR MISSION

To transform the enterprise with advanced AI-driven Product Lifecycle Management solutions

- Build solutions that deliver the highest value to our clients with a new generation of AI and data-powered innovation management solutions that drive revenue growth and operational excellence of our customers
- Global innovation and regulatory compliance management solution leader across process industries.



FERRERO

SHISEIDO



Cargill



Process Industries served



Food & Beverages



Specialty Chemicals



Personal Care

We work with the world's biggest manufacturers

- Selerant software supports over \$200 billion in Food & Beverage revenue per year
- Seven of the top ten world's largest dairy producers use Selerant solutions
- Half of the world's top ten confectionary giants use Selerant solutions
- Selerant solutions underpin product innovation in over 170 countries

CUSTOMER SELECTION

 The Italian Food Company Since 1877			 Eural
		 van Melle	 dairyGold
 GINZA TOKYO			 CM CONTINENTAL MILLS Cargill Del Monte Abbott Lindt



INTERN PROGRAM INTRODUCTION



Formula-based product lifecycle management (PLM) software



SDS Authoring Software



ISO certified eco-design tool



Real-time food safety monitoring system and compliance assessment reporting



Product Portfolio

Devex PLM explained

Introduction to Product Lifecycle Management

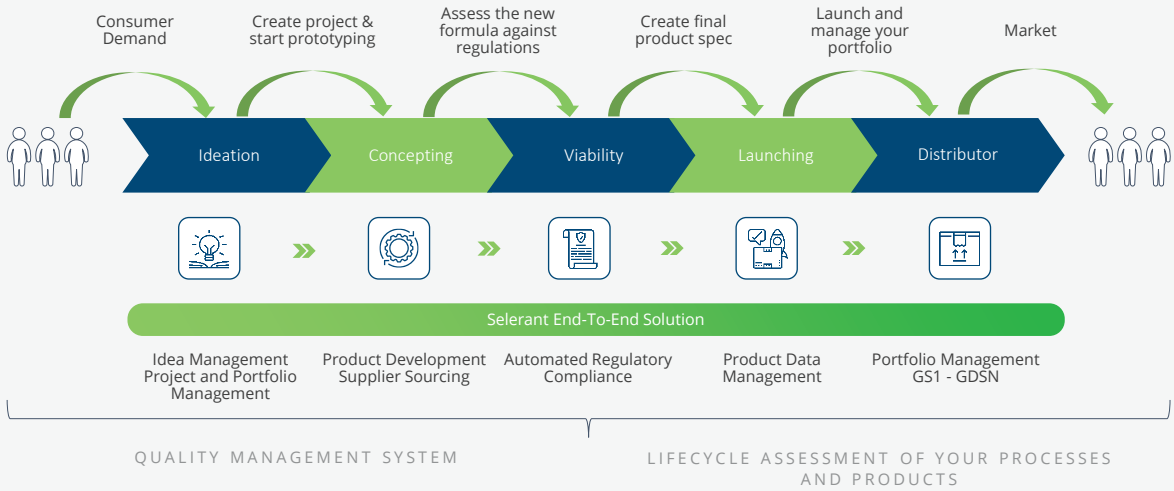


What is Product Lifecycle Management (PLM)?

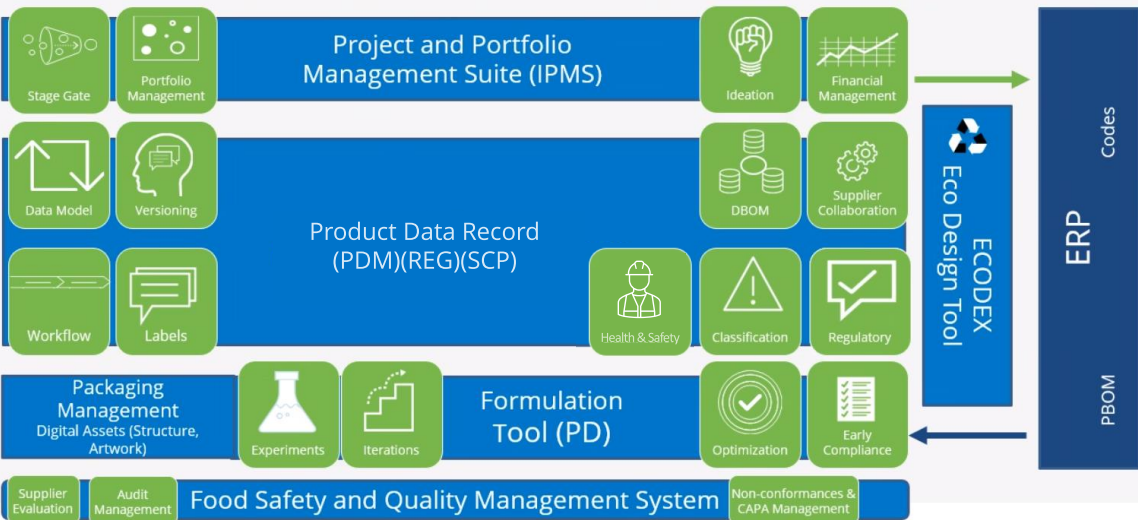
The process of managing the entire lifecycle of a product from **ideation**, through **R&D**, **formulation**, **design** and **manufacturing**, to **service** and **end-of-life** of manufactured products.

The implementation of a PLM solution involves business transformation encompassing process (re)definition, harmonization and implementation at every stage of the product lifecycle to improve performance.

Selerant solutions streamline NPDI



Devex PLM: integrated enterprise solution





Technical Team Structure

- International, multi-lingual R&D team based in:
 - Milan, Italy
 - Belgrade, Serbia
 - Kyiv, Ukraine
 - Chennai, India
- We work in a collaborative, cross-functional multi-national groups
- Work in agile development model

Technical Team Structure

TEAMS

- Engineering
- Technical Implementation (TI)
- QA
- Cloud Operations Team (COT)
- IT
- Product Management

TYPICAL ROLES

- Solution Architects
- Developers
- Technical Writers
- DevOps
- Delivery Manager
- UX Designers
- Business Analysts
- Technical Project Managers
- QA Specialists



Tech Stack

- C#
- .net
- Cloud services (AWS, Azure)
- Javascript frameworks
- Continuous Integration (TFS, GIT)
- Databases (NoSQL, SQL – Oracle/MS SQL, Cloud)





Intern Program

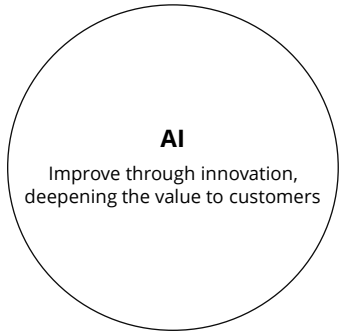
Overview



Intern Program

- Structured professional internship
- Final year graduate or post-graduate students
- Practical 'industry' intensive (6-12 months)
- Challenge yourselves in a business environment: apply knowledge in commercial setting and gain valuable industry experience
- Hone your professional skills and differentiate yourself in a competitive jobs market through a placement at Selerant
- Be a valued team member, making a tangible contribution to improving our software solutions
- Receive mentorship from an experienced technical team to help expand your knowledge and experience.

Areas of Interest



We invite enthusiastic, passionate students
who share these interests to apply to our intern program

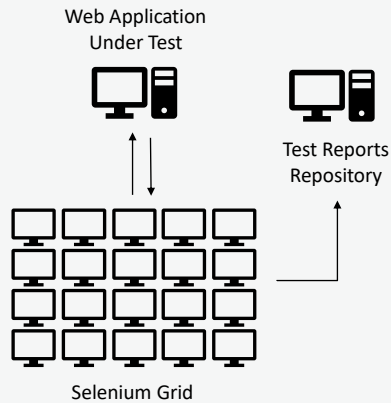


INTERN PROGRAM INTRODUCTION

Key Initiatives



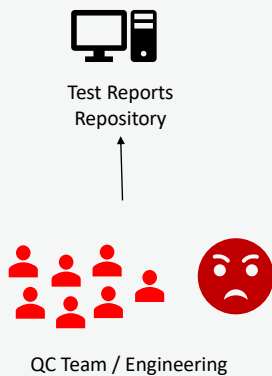
Using ML to find value in our Test Automation Tests



- Browser automation based on the Webdriver Protocol
- Large UI coverage, a single test run executes 600 test cases and performs over 100.000 asserts against the software.
- 5-to-6 test runs per day distributed across 100+ Virtual Machines
- 0.6-0.8% average failure ratio



The Large Reports Problem



Every day the QC team needs to navigate a large amount of data to identify the root cause of each problem. This is large amount of work on a daily basis on the same activity by each member of our QC team.

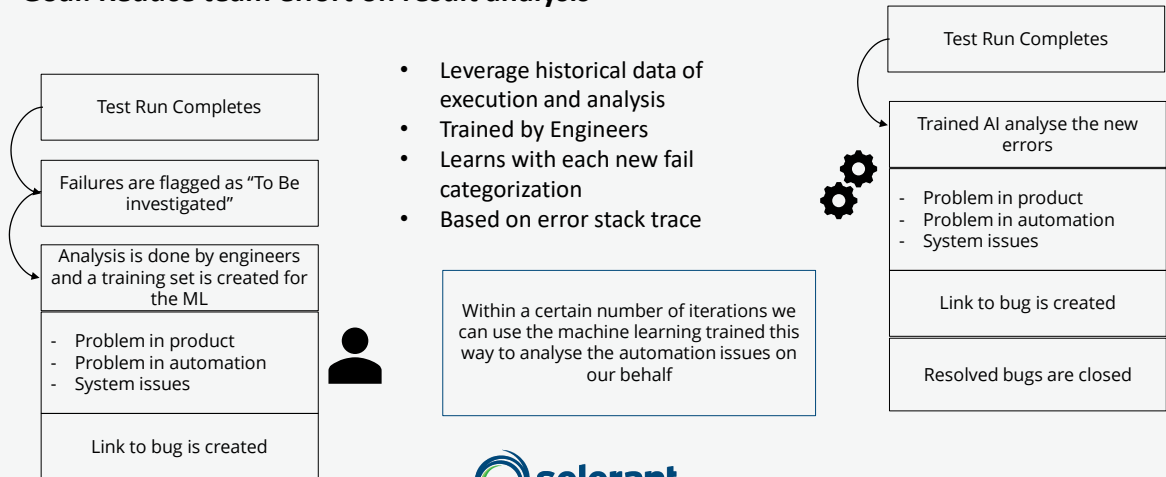
As a result, issues are reported in our bug reporting system:

- Problems in the product
- Problems in the test automation
- Infrastructure / Network issues



Machine Learning to the Rescue

Goal: Reduce team effort on result analysis



Cognitive AI for product formulation



Formulation Development: A High-cost, High-risk Process

Traditional formulation development is a complex, expensive, and time-consuming process that requires extensive resources and experimentation.

It often involves multiple steps of discovery, optimization and testing, and demands significant specialized domain expertise and extensive trial/error procedures.

As a result, the process is often highcost and high-risk, further complicated by constantly changing regulations and guidelines.

To remain competitive, it is paramount that the industry revisits its practices and evolves long discovery to testing procedures to enhance processes, optimize formulations, and accelerate time-to-market.

Cognitive AI for Formulation is designed to give manufacturers a competitive advantage by facilitating more efficient product formulation development processes, ultimately lowering costs.

Realize artificial intelligence that leverages both historical data & domain expert knowledge to:

- PROVIDE HUNDREDS OF OPTIMAL, VIABLE CANDIDATES IN MINUTES, ACCELERATING TIME-TO-MARKET
- IDENTIFY BEST-PERFORMING & MOST ECONOMIC COMBINATIONS, OPTIMIZED WITH RESPECT TO MATERIAL COST
- DEEP-DIVE INTO FORMULATION RECOMMENDATIONS WITH EVIDENCE-RICH AUDIT TRAILS, INCREASING CONFIDENCE IN PREDICTIONS & LOWERING RISK OF FAILURE



Cognitive AI for product formulation



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Benefits:

- Efficiently generate, predict, improve & update formulations
- Accelerate time-to-market for viable lead candidates
- Optimize processes to reduce material & program cost
- Enhance insight into confidence scores for optimized results
- Reduce regulatory, compliance & failure risks



Questions?



Jacopo Colombo

Co-founder, President & CTO



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recruiting@selerant.com



INTERN PROGRAM INTRODUCTION

Application Process

- Attend the introductory presentation
- Send your CV to recruiting@selerant.com**
- Receive an interview invitation if shortlisted
- Attend an interview
- Agree terms and begin internship

selerant.com



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